

Specification : Mixed Thai Plant Aromatic Oil /

น้ำมันหอมระเหยผสมจากสมุนไพรไทย (Manose RM-0034)

(Application : An active ingredient for pain / sprain and inflammation/

สารสำคัญในผลิตภัณฑ์เพื่อบรรเทาปวดและด้านการอักเสบ)

1. Name of the raw material : Mixed Thai Plant Aromatic Oil
2. Active components : Plai oil, Turmeric oil, Sesame oil, Galanga oil and Thao En-on extract
3. Common and scientific name/ Family of the plant : Plai (*Zingiber cassumunar* Roxb.) / ZINGIBERACEAE, Turmeric (*Curcuma longa* L.) / ZINGIBERACEAE, Sesame (*Sesamum orientale* L.) / PEDALIACEAE, Galanga (*Alpinia galanga* (L.) Willd.) / ZINGIBERACEAE and Thao En-On (*Cryptolepis buchananii* Roem. & Schult.) / ASCLEPIADACEAE
4. Physical appearance : Pale yellow clear liquid with specific herbal odor
5. pH : 5 - 6
6. Standardization : HPLC fingerprint using sabinene as a marker
7. Solubility : Soluble in ethanol
8. Microbial contamination : No pathogenic microorganism with less than 1,000 cfu/g of the total plate count of bacteria, yeast and fungi which is conformed to the Thai FDA regulation
9. Biological activities : Analgesic^(1,4-6) and anti-inflammation^(1,3-4,6)
10. Animal / human performance test : Analgesic^(2,4) and anti-inflammation^(3,4) in human volunteers
11. Safety : No skin irritation in human volunteers
12. Pharmaceutical, food supplement or cosmetic : Topical use for anti-sprain and anti-inflammation

applications

13. Recommended concentrations in the product : 1 – 5% w/w
14. Storage : keep in tight and light protection container at 4 – 8 °C
15. Precautions : None
16. Cost per kg : Please request

References

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